

WHAT IS CLAIMED IS:

1                   1.     A ticker tape picture-in-picture system comprising:  
2                   an image display device;  
3                   a first tuner for receiving a first image signal corresponding to a first image and  
4                   outputting a first video formatted signal corresponding thereto;  
5                   a second tuner for receiving a second image signal corresponding to a second image,  
6                   the second image including a ticker tape image portion, and outputting a second video  
7                   formatted signal corresponding thereto;  
8                   a video switching subsystem for receiving the first video formatted signal and the  
9                   second video formatted signal and selectively outputting to the image display device an RGB  
10                  formatted display signal derived from one of the first video signal and the second video  
11                  signal; and  
12                  a microprocessor for sending a timing signal to the video switching subsystem, the  
13                  timing signal causing the video switching subsystem to selectively switch between outputting  
14                  an RGB formatted display signal derived from the first video signal and an RGB formatted  
15                  display signal derived from the second video signal in such a manner that the image display  
16                  device sequentially receives an RGB formatted display signal corresponding to a  
17                  predetermined portion of the first image and an RGB formatted display signal corresponding  
18                  to the ticker tape image portion of the second image.

1                   2.     The ticker tape picture-in-picture system of claim 1, wherein the image display  
2                   device includes a television cathode ray tube, the first image and the second images are  
3                   television images, and the microprocessor sends a timing signal that causes the video  
4                   switcher subsystem to selectively switch based on a scanning position of the cathode ray  
5                   tube.

1                   3.     The ticker tape picture-in-picture system of claim 1, wherein the first tuner  
2                   receives an RF first image signal and the second tuner receives an RF second image signal.

1                   4.     The ticker tape picture-in-picture system of claim 1 further comprising a  
2                   remote sensor unit configured to receive an IR signal and convert the IR signal to an  
3                   electronic signal for output to the microprocessor.

1           5.     The ticker tape picture-in-picture system of claim 1, wherein the first and  
2 second video signals include audio and video components and wherein the video switcher  
3 subsystem includes:

4           an audio/video switch configured to receive the first and second video signals from  
5 the first and second tuners, respectively, to stitch audio and video components of the first and  
6 second video signals, and to output a stitched first video signal, a stitched second video  
7 signal, a Y formatted signal and a C formatted signal;

8           a V-to-YUV format converter configured to convert the stitched second video signal  
9 to a YUV formatted signal; and

10          a video mixer/switch configured to receive the Y formatted signal, the C formatted  
11 signal and the YUV formatted signal and to selectively and sequentially convert the Y and C  
12 formatted signals and the YUV formatted signal into an RGB formatted display signal.

13          6.     The ticker tape picture-in-picture system of claim 5 further comprising a PiP  
14 circuit configured to receive the stitched second video signal and to output a corresponding  
15 YUV formatted signal to the video mixer/switch.

16          7.     The ticker tape picture-in-picture system of claim 1, wherein the image display  
17 device displays the ticker tape image portion in a display area of the image display device  
18 with a user adjustable height.

19          8.     A data signal embodied in a carrier wave, comprising:  
20           portions of first and second video signals combined to produce a display of  
21 frames including information from both the first and second video signals displayed together  
22 in at least one frame.

23          9.     The data signal of claim 8, wherein the data signal embodied in a carrier wave  
24 is a composite video signal.

25          10.    The data signal of claim 8, wherein the data signal embodied in a carrier wave  
26 is a component video signal.

27          11.    A method for sending video signals, the method comprising:  
28           sending a first video signal to an output, wherein the first video signal includes  
29 information for display of a first frame; and

4                    switching to send a portion of a second video signal to the output after sending  
5 less than the total information from the first video signal to display all of the first frame,  
6 wherein the portion of the second video signal sent includes information for display of a  
7 second frame, wherein the second frame is different from the first frame.

1            12.    The method of claim 11, wherein the sent video signal is a composite video  
2 signal.

1            13.    The method of claim 11, wherein the sent video signal is a component video  
2 signal.

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